

WHAT IS CLAIMED IS:

1. A color cathode ray tube comprising:

a panel having a phosphor screen on the inner surface thereof, the phosphor screen having a plurality of phosphor layers;

an electron gun located opposite the phosphor screen and configured to emit electron beams toward the phosphor screen; and

a shadow mask located opposite the phosphor screen and having a large number of electron beam passage apertures through which the electron beams are applied to the phosphor layers corresponding thereto,

the shadow mask being formed by press molding and including a substantially rectangular mask effective portion in the form of a gently sloped dome having the electron beam passage apertures and a skirt portion extending from the peripheral edge of the mask effective portion substantially at right angles thereto,

the skirt portion having a plurality of apertures arranged to be spaced from one another in a direction parallel to the peripheral edge of the mask effective portion, and belt portions formed between the apertures and an extending end edge of the skirt portion and extending along the extending end edge, the belt portions having wrinkles formed along the extending end edge by the press molding.

2. A color cathode ray tube according to claim 1,
wherein the width of each of the belt portions ranges
from 1 to 3 mm.

5 3. A color cathode ray tube according to claim 1,
wherein the width of each of the apertures increases
from the peripheral edge of the mask effective portion
toward the extending end edge side of the skirt
portion.

10 4. A color cathode ray tube according to claim 3,
wherein each said aperture is triangular.

15 5. A color cathode ray tube according to claim 3,
wherein the distance between the end of each aperture
on the peripheral edge side of the mask effective
portion and the extending end edge of the skirt portion
accounts for 50% or more of the distance between the
peripheral edge of the mask effective portion and the
extending end edge of the skirt portion.

20 6. A color cathode ray tube according to claim 3,
wherein the width of each of the belt portions ranges
from 1 to 3 mm.

7. A color cathode ray tube according to claim 1,
wherein the width of each aperture along the extending
end edge of the skirt portion is narrower than the
distance between each two adjacent apertures.

25 8. A color cathode ray tube comprising:

a panel having a phosphor screen on the inner
surface thereof, the phosphor screen having a plurality

of phosphor layers;

an electron gun located opposite the phosphor screen and configured to emit electron beams toward the phosphor screen; and

5 a shadow mask located opposite the phosphor screen and having a large number of electron beam passage apertures through which the electron beams are applied to the phosphor layers corresponding thereto,

10 the shadow mask being formed by press molding and including a substantially rectangular mask effective portion in the form of a gently sloped dome having the electron beam passage apertures and a skirt portion extending from the peripheral edge of the mask effective portion substantially at right angles thereto,

15 the skirt portion having a plurality of slit groups arranged to be spaced from one another in a direction parallel to the peripheral edge of the mask effective portion, and belt portions defined between 20 the slit groups and an extending end edge of the skirt portion and extending along the extending end edge,

each of the slit groups including a plurality of slits extending substantially at right angles to the extending end edge of the skirt portion and arranged at 25 spaces in a direction substantially parallel to the extending end edge, the slits including a central slit, the longest one, and side slits arranged on the

opposite sides of the central slit and having lengths reduced stepwise.

5 9. A color cathode ray tube according to claim 8, wherein each of the slit groups, including the central and side slits, is substantially triangular.

10 10. A color cathode ray tube according to claim 8, wherein the distance between the end of the central slit in each slit group on the peripheral edge side of the mask effective portion and the extending end edge of the skirt portion accounts for 50% or more of the distance between the peripheral edge of the mask effective portion and the extending end edge of the skirt portion.

15 11. A color cathode ray tube according to claim 8, wherein the width of each of the belt portions ranges from 1 to 3 mm.

20 12. A color cathode ray tube according to claim 8, wherein the width of each of the slit groups along the extending end edge of the skirt portion is narrower than the distance between each two adjacent slit groups.